



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/065,343	10/07/2002	Chen-Chun Chen	9527-US-PA	2210
31561	7590	06/03/2004		
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE 7 FLOOR-1, NO. 100 ROOSEVELT ROAD, SECTION 2 TAIPEI, 100 TAIWAN			EXAMINER	GILMAN, ALEXANDER
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 06/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 10/065,343 Examiner Alexander D Gilman	Applicant(s) CHEN, CHEN-CHUN	
---	--	--

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 05 February 2004.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-22 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-22 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
6) <input type="checkbox"/> Other: _____ |
|--|---|

DETAILED ACTION***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-11 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim s 1 and 10 in lines 7=8 and 10 respectively recite "wherein the DC plug is detachable from the DC connector port".

The specification does not describe how the separation of the DC plug from the DC connector port can be made. Contrary to that the specification (p. 5, para. 0025) suggests a structural features "...to prevent a separation of the DC plug (218) from the DC connector port (214) while allowing a relative rotation there between."

For purposes of examination it was accepted according to the specification that the DC plug is not detachable from the DC connector port.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claims 1-5, 8-11, 12, 16, 17, and 21 are, as they can be understood due to the 112 problem, rejected under 35 U.S.C. 103(a) as being unpatentable over Groves et al in view of Tomaro and the Admitted prior art.

With regard to claims 1, 5, 10, 12, 16, 17, and 21 Groves et al (US 6,402,546) disclose (Fig. 42) a power adapter comprising:

a main body, including a parallelepiped casing (402, 408) which encloses a PCB (col. 17, lines 20-29),
a DC connector port;
a DC wire connected to a DC plug;
an AC connector port;
an AC wire connected to the AC connector port.

Groves et al do not disclose that

the DC plug and the DC connector port are separate before assembling;

the DC plug mates the DC connector port in a freely rotatable manner.

Tomaro (US 3,937,543) discloses (Fig. 3) the DC plug and the DC connector port (10) are separate before assembling and the plug (24) which mates the DC connector port in a freely rotatable manner.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to rotatably connect the DC wire with the casing, as taught by Tomaro , to prevent twisting the DC wire (Tomaro, col. 1, lines 24-26).

With regard to claims 2, 3, 10, 13, 14, 21 Groves et al when modified by Tomaro disclose (Tomaro) an opening (29) in the casing engaged with a slot (22) in the plug.

With regard to claims 4, 11, 15 and 22 Groves et al when modified by Tomaro disclose (Tomaro) a stress-buffer structure (24).

With regard to claims 8, 9, 19, and 20, Groves et al when modified by Tomaro disclose (Groves et al, Fig. 42) a third and a fourth terminals.

2. Claims 6, 7, 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Groves et al in view of Tomaro, as applied to claim 1 above, and further in view of Bean.

Groves et al when modified by Tomaro disclose all of the limitations except for connecting the DC plug to the casing within a recessed cavity in the casing.

Bean (US 6,428,348) discloses (Fig. 2) a DC plug (42) being connected to the casing within a recessed cavity in the casing.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to connect the Groves-Tomaro DC plug to the casing within a recessed cavity in the casing, as taught by Bean, to conveniently store the DC wire.

Response to Arguments

Applicant's arguments filed 08/28/2003 have been fully considered but they are not persuasive. Applicant argues that the prior art fails to disclose the DC plug being detachable from the DC connector port. The same time Applicant suggests that that limitation is adequately supported by Specification since DC plug and DC connector port are separate originally.

The fact that the plug and the port are separate before assembly does not mean that they are detachable after assembling. According to Specification when assembled the plug and the port prevented from separation (Specification, para. 025).

Applicant also argues that the plug 24 in Tomaro et al cannot be disconnected from the conductors 50, 58. However, the plug and the connector port in Tomaro et al can be disconnected after removing screws 14. The specification does not suggest how these elements can be detached.

Hence, the rejection deems to be proper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Gilman whose telephone number is (703) 305-0847. The examiner can normally be reached on Monday-Friday, 10:30 a.m. - 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4900.

05/27/2004



**ALEXANDER GILMAN
PRIMARY EXAMINER**